Chroma-Q™

BRILLIANT SOLUTIONS

Lighting Accessory Solutions, Control & Data Distribution Range

www.chroma-q.com

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Chroma-Q Colour Changers

Selling thousands of units to date, it's no wonder Chroma-Q colour changers have an industry proven reputation for performance and reliability. The Chroma-Q colour changers are designed to work with the Chroma-Q power supply range.

Plus™

The new Chroma-Q Plus colour changer combines the proven performance and reliability of the Original Chroma-Q with new advanced features, providing even greater usability and flexibility at the same low price. Features include increased frame capacity (20 colours), variable fan and scroll speed via DMX, gel-saver mode, digital LED display, power assist scroll loading and separately available universal mounting plate.

Technical Specification

Product Code	CHCQ1-DP
Width (A)	286mm / 11.3"
Width (B)	297mm / 11.7"
Width (C)	92mm / 3.6"
Weight	2.1kg / 4.5lbs
Aperture	171mm / 6.8"
Frame Capacity	2-20 frames
Connectors	XLR-4 (male) in & XLR-4 (female) through gold plated
Power	1PU
Control	ANSI E1.1 DMX-512A

Universal

The Chroma-Q Universal colour changer has been designed to maximise flexibility and usability by incorporating a host of next generation advanced features. Our integrated universal mounting system adjusts between 147-275mm and mounts fixtures with up to 50 degree beam angles without light loss. DMX control for fan speed, scrolling speed, gel-saver mode and reset is also incorporated.

Technical Specification

Product Code	CHCQMU
Width (A)	359mm / 14.1"
Width (B)	345mm / 13.6"
Width (C)	80mm / 3.1"
Weight	2.5kg / 5.5lbs
Aperture	203mm / 8" rear
Frame Capacity	2-24 frames
Connectors	XLR-4 (male) in & XLR-4 (female) through
Power	1.5PU
Control	ANSI E1.1 DMX-512A

Cascade™

With a colour palette of over 300 colours and suitable for fixtures with up to 50 degree beam angles without light loss, the innovative Chroma-Q Cascade colour changer offers exceptional flexibility. Supplied complete with special gel strings, two control modes are available to offer either 100 pre-defined "Library" colours or full CMY colour mixing "Creative" mode. The innovative universal mounting system is incorporated ensuring the compact and lightweight unit is easy to use.

Technical Specification

Product Code	CHCQ3
Width (A)	306mm / 12"
Width (B)	340mm / 13.5"
Width (C)	100mm / 4"
Weight	2.6kg / 5.6lbs
Aperture	178mm / 7"
Frame Capacity	+300 frames
Connectors	XLR-4 (male) in & XLR-4 (female) through
Power	1.5PU
Control	ANSI E1.1 DMX-512A

M5 Plus™

Designed to work with larger fixtures ranging up to 5000W, the M5 Plus is an improved version of the popular colour changer. New features include digital circuitry to control fan speed, motor scrolling speed, gel saver mode and reset. Four fan settings and two motor scrolling speeds enable optimum adjustment for different environments. The gel-saver mode also extends scroll life.

Technical Specification

Product Code	CHCQM5P
Width (A)	538mm / 21.2"
Width (B)	610mm / 24"
Width (C)	76mm / 3"
Weight	4.6kg / 10.2lbs
Aperture	480mm x 406mm / 18.8" x 16"
Frame Capacity	2-16 frames
Connectors	XLR-4 (male) in & XLR-4 (female) through
Power	1.5PU
Control	ANSI E1.1 DMX-512A

M8 Plus™

Designed to fit all industry standard 8-Lite fixtures, the M8 Plus includes a host of next generation, advanced colour changer features. The unit is also fast to rig and de-rig and is designed to withstand the rigours of touring. New features include digital circuitry controls and LED indicators, four fan speeds, two major scrolling speeds and a gel-saver mode.

Technical Specification

Product Code	CHCQM8P
Width (A)	538mm / 21.2"
Width (B)	846mm / 33.3"
Width (C)	76mm / 3"
Weight	5.6kg / 12.3lbs
Aperture	479mm x 631mm / 18.8" x 24.8"
Frame Capacity	2-16 frames
Connectors	XLR-4 (male) in & XLR-4 (female) through
Power	1.5PU
Control	ANSI E1.1 DMX-512A

Chroma-Q Power Supplies

Our range of power supplies for the colour changers and DMX gobo and DMX gobo rotator covers the varying power load requirements. PSU's can be chosen based on the total system 'PU value' required. Models provide a maximum capacity of 2PU (PS02), 8PU (PS08) and 12PU (Magic Box PS12).

PS02 Power Supply

The PS02 is a simple and inexpensive 2PU power supply designed for use in close proximity with either an individual Chroma-Q accessory or very small accessory system.

Technical Specification

Product Code	CHPS02
Width (A)	43mm / 1.7"
Width (B)	76mm / 3"
Width (C)	144mm / 5.7"
Weight	0.3kg / 0.6lbs
Power	100-240V, 50/60Hz, 50W IEC chassis male
Output	XLR4
Control	ANSI E1.1 DMX-512, XLR5 in & through

PS08 Power Supply

The Chroma-Q PS08 power supply has a maximum capacity of 8PU and features 2 individual XLR4 outputs each with terminated return inputs. The PS08 has been designed for cable loops of up to 66m / 200ft in total across its outputs.

Technical Specification

Product Code	CHPS08
Width (A)	217mm / 8.6"
Width (B)	80mm / 3.1"
Width (C)	194mm / 7.6"
Weight	1.5kg / 3.3lbs
Power	100-240V, 50/60Hz, 130W IEC chassis male
Output	2x XLR4
Control	ANSI E1.1 DMX-512, XLR5 in & through

Magic Box™ PS12

The Magic Box PS12 power supply has a maximum capacity of 12PU and features 3 individual XLR4 outputs each with terminated return inputs. The PS12 has been designed for cable loops of up to 66m / 200ft per output. The unique Magic Box interlocking enclosure facilitates rack mounting when used in pairs and truss mounting via captive nut insert.

Technical Specification

Product Code	CHMBPS12
Width (A)	220mm / 8.6"
Width (B)	88mm / 3.5"
Width (C)	280mm / 11"
Weight	3.2kg / 7.1lbs
Power	100-240V, 50/60Hz, 200W IEC chassis male
Control	ANSI E1.1 DMX-512, XLR5 in & through

Chroma-Q Effects Lighting

For a cost-effective gobo effects solution, we recommend our range of stand-alone and DMX-controlled rotators designed to fit popular ETC, Strand, Selecon and Altman fixtures. In addition, the motorised mirror accessory provides a cost-effective alternative to the full functionality of a moving light.

Junior FX Rotator

The Junior FX Rotator accepts one gobo, fits the ETC Source 4 Junior fixture and is designed primarily for stand-alone effects projection. In addition to bi-directional 0.25-20RPM standard rotation the Junior FX Rotator features many adjustable dynamic effects including tick-tock, pendulum, shimmer, accelerate, decelerate, fire, water, rotate-pause and shake-pause. The Junior FX Rotator is supplied complete with a separate 100-240VAC power supply. Dedicated remote control units are also available.

Technical Specification

Product Code	CHGR1FX
Width (A)	79mm / 3.1"
Height (B)	252mm / 10"
Depth overall (C)	66mm / 2.6"
Depth body only (D)	9mm / 0.4"
Weight	0.8kg / 1.8lbs
Gobo size	M
Speed Range:	0.5 - 25rpm
Power	100-240VAC, 50/60Hz, 15W, IEC chassis male

Twin FX Rotator

The Twin FX Rotator fits the ETC short Source 4, Strand SL, Altman Shakespeare and Selecon Pacific fixtures. It can be operated with either one single or two counter-rotating gobos for stand-alone operation. In addition to 0.25-20RPM standard rotation the Twin FX features adjustable dynamic effects including tick-tock, pendulum, shimmer, accelerate, decelerate, fire, water, rotate-pause and shake-pause. The Twin FX Rotator is supplied with a separate 90-240VAC power supply. Dedicated remote control units are also available.

Technical Specification

Product Code	CHGR2FX
Width (A)	119mm / 4.7"
Height (B)	249mm / 9.8"
Depth overall (C)	69mm / 2.7"
Depth body only (D)	13mm / 0.5"
Weight	0.9kg / 2lbs
Gobo size	B
Speed Range:	0.4 - 25rpm
Power	100-240VAC, 50/60Hz, 15W, IEC chassis male

Twin FX DMX Rotator

Featuring DMX operation, the Twin FX DMX Rotator fits the ETC short Source 4, Strand SL, Altman Shakespeare and Selecon Pacific fixtures, and can be operated with either one single or two counter-rotating gobos at 0.25-20RPM. The Twin FX DMX has the added functionality of remote control via DMX and full indexing capability, allowing gobos to be reliably recalled to specific positions. The Chroma-Q Twin FX DMX is designed to work with the Chroma-Q power supply range.

Technical Specification

Product Code	CHGR2DFX
Width (A)	111mm / 4.4"
Height (B)	263mm / 10.4"
Depth overall (C)	70mm / 2.8"
Depth body only (D)	13mm / 0.5"
Weight	1.2kg / 2.5lbs
Gobo size	B
Speed Range:	0.3 - 24rpm
Power	0.6PU, XLR4

Mirror™

The Mirror is a DMX controlled motorised mirror attachment which mounts onto most standard medium and narrow beam profile fixtures and redirects its beam through a pan of 230° and a tilt of 57°. Its a cost-effective, space-saving option for illuminating multiple locations with a single fixture. It can also achieve many of the effects traditionally available only with intelligent moving lights. The Chroma-Q Mirror is designed to work with the Chroma-Q power supply range.

Technical Specification

Product Code	CQM
Width (A)	260mm / 10.3"
Height (B)	266mm / 10.5"
Depth overall (C)	228mm / 9"
Weight	1.6kg / 3.5lbs
Connectors	XLR-4 (male) in & XLR-4 (female) through
Power	1PU
Control	ANSI E1.1 DMX-512A

Chroma-Q™
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Control & Data Distribution Solutions

The Chroma-Q Magic Box™ range includes EtherSwitch network switches and other data distribution products for simple buffering, multiplying, isolating and protecting console DMX outputs. Optional Magic Box 19" Rack Mount Kits are also available.

Included in the range is the fault tolerant, self healing Magic Box™ 8 Way Buffer, the heavy duty, network switching Magic Box EtherSwitch 7F™ and the 4Play™, a compact DMX buffer designed to fully isolate all outputs from each other.

4Play™

The 4Play is a fault tolerant, self healing 4 way DMX buffer designed to fully isolate all outputs from each other. Supplied with 4 x 5 pin connectors, each output is separately generated and boosted from the original DMX signal. The 4Play is suitable for truss mounting with a normal hook clamp and will work with mains voltages world-wide. It also features a chassis mounted IEC male to assist international cabling.

Technical Specification

Product Code	DMX4
Width (A)	148mm / 5.9"
Width (B)	158mm / 6.3"
Width (C)	40mm / 1.6"
Weight	0.6kg / 1.3lbs
Power	100-240V, 50/60Hz, 15W, IEC chassis male
DMX connector	XLR5 in, out & through

Magic Box™ 8 Way DMX Buffer

The Magic Box 8 Way DMX buffer is a fault tolerant, self healing DMX buffer designed to fully isolate all outputs from each other. Supplied with 8x 5 pin connectors, each output is separately generated and boosted from the original DMX signal. The unit also features a termination switch. The unique Magic Box interlocking enclosure facilitates rack mounting when used in pairs & truss mounting via captive nut insert.

Technical Specification

Product Code	CHMBDMX8
Width (A)	220mm / 8.6"
Width (B)	88mm / 3.5"
Width (C)	280mm / 11"
Weight	2.7kg / 6lbs
Power	100-240V, 50/60Hz, 15W, IEC chassis male
DMX connector	XLR5 in, out & through

Magic Box™ 8>4 A/B Switch

The Magic Box DMX 8>4 A/B Switch uses a manual switch to change the DMX source between two 2048 channel lighting consoles e.g. master and back-up. The cost effective unit is unpowered & doesn't incorporate any electronics or software, so is unlikely to let you down when it counts most! The unique Magic Box interlocking enclosures facilitates rack mounting when used in pairs and truss mounting via captive nut insert.

Technical Specification

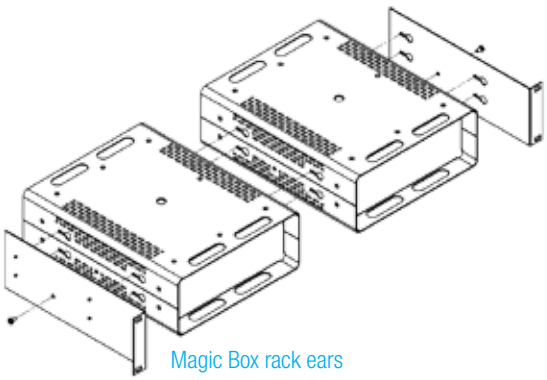
Product Code	CHMBDMXAB
Width (A)	220mm / 8.6"
Width (B)	88mm / 3.5"
Width (C)	280mm / 11"
Weight	2.7kg / 6lbs
DMX connector in	8 x XLR5
DMX connector out	4 x XLR5

Magic Box™ EtherSwitch 7™

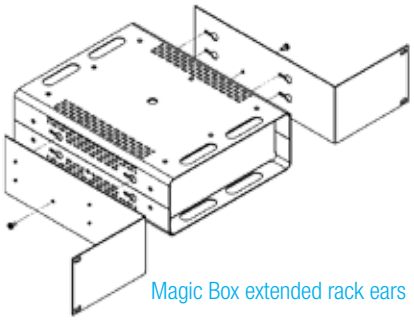
The Magic Box EtherSwitch 7 is a robust, high quality network switch that supports seven simultaneous Gigabit Ethernet network connections of up to 90m / 295ft per port (RJ45). Designed to satisfy the requirements of entertainment touring applications, this stand-alone unit enables the concurrent use of various multimedia devices within a network without traffic restrictions.

Magic Box™ EtherSwitch 7F™

In addition to being equipped with seven shielded EtherCon ports (RJ45), the Magic Box EtherSwitch 7F features one OpticalCon Fibre optic connector to extend the network range up to 550m / 1800ft. Together these connections provide up to 10 / 100 / 1000 Mbps bandwidth in full-duples mode. All other features are shared with the Magic Box EtherSwitch 7.



Magic Box rack ears



Magic Box extended rack ears

Technical Specification

Product Code	CHES07 / CHES07F
Width (A)	220mm / 8.6"
Width (B)	88mm / 3.5"
Width (C)	280mm / 11"
Weight	3.5kg / 7.8lbs
Power	100-240V AC, 50/60Hz, 15W, IEC chassis male
Ethernet switch type	Intelligent store & forward
Ethernet protocols	All IEEE 802.3
RJ45 / EtherCon port	Shielded 10BaseT / 100BaseTX / 1000Base T
RJ45 / EtherCon	Auto-negotiation
RJ45 / EtherCon MDI / MDIX	Auto-crossover
RJ45 / EtherCon TD & RD polarity	Auto-polarity
MAC addresses supported	8192
VLAN supported	4096
Jumbo frame support	Up to 9.6K
Buffer memory	144 Kbytes
Memory bandwidth	16 Gbps for wire speed on all ports
Forwarding rate	10 Mbps : 14,880pps 100 Mbps : 148,81pps 1000 Mbps : 1488,1 pps
Port connection	Link and activity LED
Max Cat5e cable run	90m / 295ft
Colour	Black
DMX connector	XLR5 in, out & through
EtherSwitch 7F	
OptionalCon port	1000 Mbps
Max fibre optic cable run	550m / 1800ft multi-mode 50 / 125

Magic Box Accessories

CHMBEAR	2x Magic Box rack ears
CHMEAR-1	2x Magic Box extended rack ears

For the latest news and information on the Chroma-Q range, visit www.chroma-q.com

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